

**To:** Werner, Lora[Werner.Lora@epa.gov]; Burns, Francis[Burns.Fran@epa.gov]; Markiewicz, Karl[Markiewicz.Karl@epa.gov]; Helverson, Robert[Helverson.Robert@epa.gov]; Arguto, William[Arguto.William@epa.gov]; Wisniewski, Patti-Kay[Wisniewski.Patti-Kay@epa.gov]; Gilbert, John[Gilbert.John@epa.gov]; Smith, Art[Smith.Art@epa.gov]; Jarvela, Steve[Jarvela.Stephen@epa.gov]  
**From:** Kelly, Jack (R3 Phila.)  
**Sent:** Mon 1/27/2014 8:06:28 PM  
**Subject:** Fw: can you review for editing?

Sorry for delay.... Have been at a meeting at weston all afternnon

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**From:** Caporale, Cynthia  
**Sent:** Monday, January 27, 2014 1:00:19 PM  
**To:** Kelly, Jack (R3 Phila.)  
**Subject:** RE: can you review for editing?

We should have a list of GC/MS compounds that are tentatively identified later today. So far the compounds we are seeing are matching up to the MSDS sheets. The “extra” peaks may turn out to be diPPH – on today’s call the other labs identified 4 peaks associated with this compound, which was not found in the NIST Library. So the lab has sent us their spectra and we will take a look at that to confirm that these are matching our four peaks.

We’ve expanded our analysis to screen for metals/cations, anions, alcohols, pH, % water, and possibly GC/IR. We don’t expect any new information using these techniques but it will at least help to rule them out.

**From:** Kelly, Jack (R3 Phila.)  
**Sent:** Monday, January 27, 2014 10:59 AM  
**To:** Caporale, Cynthia; Smith, Bonnie  
**Subject:** Re: can you review for editing?

Bonnie??

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**From:** Caporale, Cynthia  
**Sent:** Monday, January 27, 2014 10:57:07 AM  
**To:** Kelly, Jack (R3 Phila.)  
**Subject:** Re: can you review for editing?

How much time do i have? Im meeting with analysts now. We recv'd helpful info on today's call.

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**From:** Kelly, Jack (R3 Phila.)  
**Sent:** Monday, January 27, 2014 10:16:58 AM  
**To:** Caporale, Cynthia  
**Cc:** Werner, Lora; Smith, Bonnie  
**Subject:** can you review for editing?

Cindy, I think Bonnie wants to provide info to the public and others on what is being done on the analytical front.

I stole these two paragraphs: one from Fran's latest Hotsite and the other from what I prepared for Fran last week after speaking with you (I slightly edited both) . Can you take a look and edit as you see fit? ....add anything you feel is important?

Chemists and laboratory managers have formed a group to share information about the analysis of MCHM and PPH. The group participants include the National Guard, WV American Water, American Water Research, REI Consulting, DuPont Inc, Dow Inc, Matric Inc, NIH, ATSDR, EPA R3 Central Regional Laboratory Lab (CRL) and the EPA ERT lab. The group is communicating by e-mails and conference calls. *(was NIH on that Friday call??.....is someone missed?)*

Our CRL has been working to identify analytical techniques for the single compound MCHM in water, striving to lower analytical detection limits for the compound and attempting to ensure the reliability of analytical methods employed by public utilities and other organizations. Over the weekend commencing January 24, CRL chemists began using several analytical techniques to identify in greater detail the constituents in the product samples collected from the tanks at Freedom Industries Poco, WV facility. In addition, CRL is working to identify appropriate analytical method(s) for identifying PPH in water along with attaining acceptable water detection limits for making public health evaluations.

Jack Kelly

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